

# NETWORK SYNOLITE

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc.

Product Name: **SYNOLITE**

Product Number: **23148**

Date Prepared: 09/14/2007

**Customer Information Phone Number:**

1-800-521-4042

**CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300**

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>OHSA PEL</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
2-PROPANONE	67-64-1	1000 ppm TWA	500 ppm	40-60
TOLUENE	108-88-3	200 ppm TWA	50 ppm TWA (skin)	20-30
METHYL ALCOHOL	67-56-1	200 ppm (skin)	200 ppm TWA (skin)	10-20

## 3. HAZARDOUS IDENTIFICATION

Emergency Overview: **DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR**

### POTENTIAL HEALTH EFFECTS

Eye Contact: May cause severe irritation with stinging, tearing, redness, and pain.

Inhalation: Inhalation of vapor in high concentrations irritating to respiratory tract. May cause coughing, dizziness, dullness and headache. Higher concentrations can produce CNS depression, narcosis, and unconsciousness.

Ingestion: Ingestion can produce abdominal pain, spasms, nausea, and vomiting. Pneumonia and severe lung damage may be the result if material is aspirated into the lungs. Other symptoms parallel inhalation.

Skin Contact: May cause irritation or reddening. Prolonged or repeated contact leads to drying of the skin. Can be absorbed through the skin.

Signs And Symptoms Of Exposure: Eye irritation, respiratory irritation, dizziness, fatigue, headache, unconsciousness or asphyxiation.

## 4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15 minutes, while lifting the eyelids.

Make sure to remove any lenses from the eyes before rinsing. Get immediate medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Place unconscious person on the side in recovery position and ensure breathing.

Keep the person warm and at rest. Get medical attention immediately.

Ingestion: Aspiration hazard. If swallowed, DO NOT induce vomiting. Give large quantities of water. If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs. Rinse mouth thoroughly. Call a physician or poison control center.

Skin Contact: Wash skin with soap and water. Continue to rinse for 15 minutes. Wash contaminated clothing before re-use. Get medical attention if irritation or allergic reaction develops.

Aggravated Medical Conditions: Persons with pre-existing skin disorders or impaired liver or kidney

function may be more susceptible to the effects of this substance. Alcoholic beverage consumption can enhance the toxic effects of this substance. Chronic fumes from this product may exacerbate asthma.

Supplemental Health Information: None of the components in this product is listed by IARC, NTP, or OSHA as a carcinogen.

## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

Flash Point: < 20° F

Flash Point Method: T.C.C.

Auto ignition: N.E.

LEL: N.E.

UEL: N.E.

Extinguishing Media: Carbon dioxide, dry chemical, foam. Alcohol resistant foams (ATC type) preferred if available. Do not use direct water stream. Product will float and can be re-ignited on surface of water. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, protect personnel and disperse vapors.

Special Fire-Fighting Procedures: The use of SCBA positive pressure self-contained breathing apparatus is recommended for firefighters and full protective clothing.

Unusual Fire And Explosion Hazards: Above flashpoint, vapor-air mixtures are explosive within flammable limits noted above. Vapors are heavier than air and may travel along the ground to distant ignition sources and flash back. Contact with strong oxidizers may cause a fire. Risk of explosion in closed containers if pressure rises rapidly. May produce a floating fire hazard. Sensitive to static charge.

Combustion Products: Carbon dioxide and monoxide.

## 6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Spilled Or Released: Flammable material. Ventilate area. Eliminate potential sources of ignition. Wear appropriate respirator and other protective clothing. Use water to keep fire exposed containers cool and disperse vapors. Contain the spill. Remove with vacuum or soak up residue with an absorbent such as clay, sand, or other inert non-combustible material. Do not use sawdust. Use non-sparking tools. Place in non-leaking containers and seal tightly for proper disposal. Do not flush to sewer. CERCLA requires reporting spills in excess of RQ.

## 7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Flammable. Keep away from heat, sparks, and open flame. Store in a cool, dry, well-ventilated area. Keep containers closed. Do not store with incompatible materials, such as oxidizers. Protect from light, including direct sunlight. Ground container and transfer equipment to eliminate static electric sparks. Do not store or consume food, drink, or tobacco where they may become contaminated with this material. Mechanical ventilation or local exhaust may be required.

Other Precautions: All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Do not reuse containers. Triple rinse before disposal. Dispose of in a licensed facility. Recommended crushing or other means to prevent re-use.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: If exposure limit is exceeded, a half-face organic vapor respirator may be worn for up to ten times the exposure limit or the maximum use concentration specified. A full-face piece respirator organic vapor respirator may be worn up to 50 times the exposure limit.

WARNING: Air-purifying respirators for not protect workers in oxygen-deficient atmospheres.

Ventilation: Local exhaust ventilation is recommended. Ventilation must be adequate to keep hazardous ingredients below their exposure limits.

Protective Gloves: Impervious gloves are recommended.

Eye Protection: Chemical safety goggles and/or a full face shield.

Other Protective Clothing or Equipment: Wear appropriate equipment to prevent probability of exposure and personal contact.

Work/Hygienic Practices: Use good personal hygiene when handling this product. Wash hands after use, before smoking or using the toilet. Do not smoke in work area.

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Exposure Guidelines: See Section 2.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Clear colorless liquid with ketone odor.

Solubility In Water: Partial

Boiling Point: 133° -232°F

Specific Gravity: 0.815

Freezing Point: N.E.

Molecular Weight: Not applicable

Melting Point: Not applicable

Evaporation Rate: N.E.

Vapor Density: N.E.

Percent Volatile: 100.0

Ph: Not applicable

Pounds Per Gallon: 6.79

Vapor Pressure: 135.9 mmHg @ 20° C (total)

V.O.C. is 815 g/L or 6.79 lb. /gal. (total)

V.O.C. is 330.07 gm/L; 40.5%; 2.75 lbs/gal. (acetone exempt)

## 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use and storage.

Conditions To Avoid: Heat, flames, ignition sources.

Incompatibility: Avoid contact with strong oxidizing and reducing agents. Concentrated nitric and sulfuric acid mixtures, chloroform, alkalis, chlorine compounds, acids, nitrogen tetroxide, and potassium t-butoxide.

Hazardous Decomposition Or By Products: Carbon dioxide and carbon monoxide

Hazardous Polymerization: Will Not Occur

## 11. TOXICOLOGICAL INFORMATION

## 12. ECOLOGICAL INFORMATION

This material is expected to be toxic to aquatic life.

**13. DISPOSAL CONSIDERATIONS**

Discharge, treatment or disposal may be subject to Federal, State (provincial in Canada) or local laws. Incinerate at a RCRA approved waste facility with an RCRA code of U0002 (Toxic Waste).

**14. TRANSPORT INFORMATION**

DOT Class: COMPOUNDS, CLEANING LIQUID (Contains 2-Propanone and Toluene)

Hazard Class: 3

UN No.: NA1993

Packing Group: II

Guide No.: 128

**15. REGULATORY INFORMATION**

TSCA: All ingredients in this finished product are listed on the EPA TSCA INVENTORY.

SARA TITLE III: NONE

CERCLA: Both 2-Propanone and Toluene are listed.

CALIF. PROP. 65: This product contains Benzene and Toluene. The following information is required by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986, or

Proposition 65. This regulation does not address de minimus levels; therefore, even trace amounts of the chemicals included on Proposition 65's list of chemicals known to the State of California to cause

cancer or reproductive toxicity must be noted with the "Safe Harbor" wording. WARNING: This product contains benzene and toluene known to cause cancer and birth defects or other reproductive harm.

CARCINOGENICITY: NONE OF THE COMPONENTS IN THIS CHEMICAL IS PRESENT ABOVE THE MINIMUM AMOUNT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

**SCAQMD Rule 443.1**

Photochemically Reactive: Yes

Maximum Grams of VOC per Liter: 330 gm/L (acetone exempt)

V.O.C. Partial Vapor Pressure: 135.9 mmHg@20°C

**16. OTHER INFORMATION (HMIS)**

Health: 2

Flammability: 3

Reactivity: 0

OTHER ADDITIONAL INFORMATION: The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for the injuries from the use of the product described herein.

